Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. *First & Final Bill* (For Other Works) Date.....2018

Division: **BBMP, Project** Sub-Division: **BBMP, Project**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: **P-0541** **Work Code:** 007-18-000001 **Est.Cost: 22.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Improvements and Repairs of Existing Crematorium Building at Hebbal in Yelahanka Zone.**

Name of Contractor and Full Address: ***Sri Madhusudhan. R, Contractor, # 830, 5th Block, BEL Layout, Vidyaranyapura, Bangalore - 97.***

Reference to Agreement No. **EE(Projects)Ynk Zone/WO/60/2017-18** **Dated: 08.09.2017**

Certified that the measurements were taken by me on 14/06/18 and recorded of **Pages 134854 to 134881** of measurement Book No. **64/09-10** and that the work is satisfactorily executed.

1349

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 14/06/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... T-bill Amount		2079218-00
adjusted towards cash advance recovery of	I.T	20792-00
	I.Cess.	20792-00
b. Payments Now made: cost store or other material supplied.	0.1% CBT	2079-00
recovery of amount creditable to this/other work	LR	4782-00
Amount paid on this bill Cheque / Cash.		
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.	Adju.	48445-00
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	Cheque:	20,30,773-00
Total amount adjusted :		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Audited & Admitted for Rs. Rs: 20,79,218-00 (For use in the Office)

Witness
1.
2.

Stamp and Rs 48445-00 by Adjustment

Rs: 20,30,773-00 by Cheque

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Accts. Supdt. 23/7
Project Division
B.B.M.P

Ass. Engineer
Project Division
B.B.M.P 23/7/17

10/7

Initials of Officer making payment **Executive Engineer**

Sl. No.		
1	Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	
	Qty Above 125%	
2	Earthwork in surface excavation in **Hard soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	
3	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	
	Qty Above 125%	
4	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6,** stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	
5	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	
6	Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	
	Qty Above 125%	
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	
8	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	
	Qty Above 125%	
9	Extra for removing white wash or colour wash by steel brushing and / or scraping, sand papering the ceiling and / or sloping roof surface smooth including repairs to scraches, cost of labour, complete as per specifications.	
	Qty Above 125%	
10	Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	
	Qty Above 125%	
11	Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	
	Qty Above 125%	
12	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	
13	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	
14	Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m**.	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	84.38	166.42	14043.00	84.38	14043.00	
		10.13	166.42	1686.00	10.13	1686.00	
-	-	23.98	233.20	5592.00	23.98	5592.00	
-	-	20.25	5159.02	104470.00	20.25	104470.00	
		17.18	5159.02	88632.00	17.18	88632.00	
-	-	9.99	2000.00	19980.00	9.99	19980.00	
-	-	5.99	5305.30	31779.00	5.99	31779.00	
-	-	15.19	5767.46	87608.00	15.19	87608.00	
		28.38	5767.46	163681.00	28.38	163681.00	
-	-	120.00	103.88	12466.00	120.00	12466.00	
-	-	250.00	274.54	68635.00	250.00	68635.00	
		94.59	274.54	25969.00	94.59	25969.00	
-	-	2375.00	6.36	15105.00	2375.00	15105.00	
		4981.24	6.36	31681.00	4981.24	31681.00	
-	-	1375.00	53.00	72875.00	1375.00	72875.00	
		980.95	53.00	51990.00	980.95	51990.00	
-	-	1000.00	75.26	75260.00	1000.00	75260.00	
		4620.58	75.26	347745.00	4620.58	347745.00	
-	-	24.44	248.04	6062.00	24.44	6062.00	
-	-	4.00	5437.80	21751.00	4.00	21751.00	
-	-	9.35	2471.92	23112.00	9.35	23112.00	

No.		
15	Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, using M.S. flats 30x6 mm for diagonal braces and central cross pieces 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **1 double leaf door of size 2.4x2.4m**.	
16	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	
17	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes.	
18	Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	
19	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	
	Qty Above 125%	
20	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	
21	Constructing brick masonry inspection chamber **500x700mm, and 450mm depth,** (clear inside dimension) for pipeline with one or two inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal , foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	
22	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with **110mm outer dia**	
23	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	
24	Providing and Fixing glass pannel 5.5 mm thick to the windows	
25	Providing & Fixing Mosquito mesh shutters made out of Stainless Steel mosquito proof mesh with 95% & above visibility which is fixed to the powder coated aluminium frame 32mm thick of approved shade. The work including fixing the shutters with necessary accessories, to complete as per specification including the labour charges for fixing the shutter to the existing frames	
26	Providing and laying **heavy duty cobble stones 60mm thick interlock pavers**, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	
27	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	
28	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	7.00	2025.66	14180.00	7.00	14180.00	
-	-	2.00	3187.42	6375.00	2.00	6375.00	
-	-	75.00	180.20	13515.00	75.00	13515.00	
-	-	6.00	167.48	1005.00	6.00	1005.00	
-	-	3.00	3145.02	9435.00	3.00	9435.00	
		3.00	3145.02	9435.00	3.00	9435.00	
-	-	2.00	1250.80	2502.00	2.00	2502.00	
-	-	3.00	8258.46	24775.00	3.00	24775.00	
-	-	20.00	729.28	14586.00	20.00	14586.00	
-	-	1134.00	82.68	93759.00	1134.00	93759.00	
-	-	12.50	650.00	8125.00	12.50	8125.00	
-	-	25.00	2756.00	68900.00	25.00	68900.00	
-	-	105.60	966.72	102086.00	105.60	102086.00	
-	-	289.00	331.78	95884.00	289.00	95884.00	
-	-	1.00	1938.46	1938.00	1.00	1938.00	

AE

Sl. No.		Un
29	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)	Rm
30	50 to 100 m	
31	100 to 150 m	
32	150 to 200 m	
33	200 to 250 m	
34	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty	Rm
	Qty Above 125%	
35	Providing 250mm dia PVC Pipe 6kg/cm	Rm
	Qty Above 125%	
36	Providing and fixing 160mm Borewell Cap	Ea
37	Providing MS Casing Pipe Collars Cap	Ea
60	Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cu
61	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc.	Rm
62	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs	Cu
	EIRL	
63	Painting:-Providing and applying two coats of ready mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 - **Painting on Steel Surface**	Sq
64	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sq
65	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications	Sq
66	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sq
67	Providing and fixing **M.S. Gate** as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.	S
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	50.00	315.18	15759.00	50.00	15759.00	
-	-	50.00	412.00	20600.00	50.00	20600.00	
-	-	50.00	458.35	22918.00	50.00	22918.00	
-	-	50.00	484.10	24205.00	50.00	24205.00	
-	-	50.00	560.32	28016.00	50.00	28016.00	
-	-	67.50	1325.00	89438.00	67.50	89438.00	
		2.50	1325.00	3313.00	2.50	3313.00	
-	-	15.00	1064.00	15960.00	15.00	15960.00	
		3.00	1064.00	3192.00	3.00	3192.00	
-	-	1.00	103.00	103.00	1.00	103.00	
-	-	6.00	154.50	927.00	6.00	927.00	
		27.54	166.42	4583.00	27.54	4583.00	
		61.20	115.36	7060.00	61.20	7060.00	
		27.54	95.40	2627.00	27.54	2627.00	
		34.56	58.57	2024.00	34.56	2024.00	
		193.50	26.72	5170.00	193.50	5170.00	
		193.50	67.82	13123.00	193.50	13123.00	
		43.51	853.86	37151.00	43.51	37151.00	
		15.41	3014.72	46457.00	15.41	46457.00	
				2079218.00		2079218.00	